

# CASE PRESENTATION

DEPARTMENT OF TRANSFUSION MEDICINE,

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1<sup>st</sup> yr PG ,

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Patient Name : XXXXX

Age : 3 Years

Sex : Female

Place Of Origin: Orissa

**Presenting Complaints :**

Child Dull, Not Active , Pale .

## **DIAGNOSIS :**

Known case of Thalassemia major with severe anemia.

## **Past history :**

At the age of 9 months child presented with weakness and pallor.

Further investigations were done and diagnosed as a case of Beta Thalassemia Major.

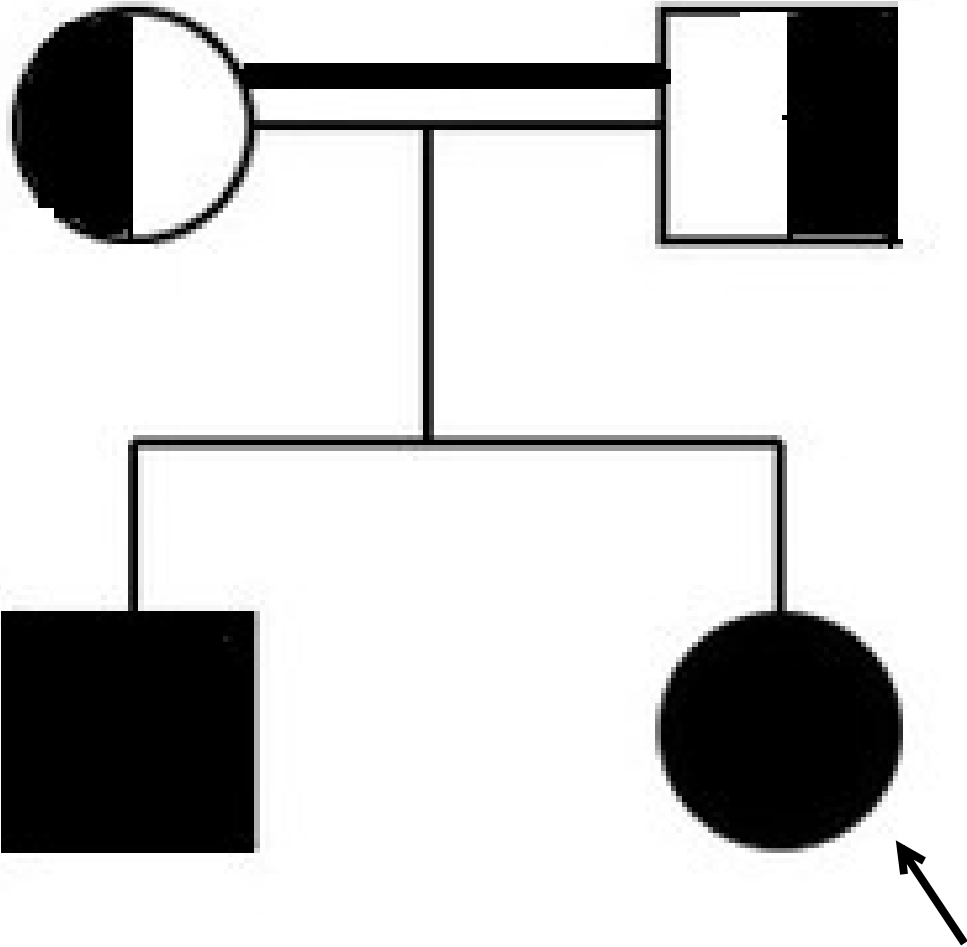
Since then 3 transfusions were given.

## **Family history :**

Reveals Third Degree Consanguineous marriage.

Younger sibling is a Known Case of thalassemia and is on transfusion therapy.

# PEDIGREE chart of the patient



## **Physical examination :**

Pallor present

Icterus absent

No cyanosis and clubbing

JVP normal

Pedal edema absent

**Vitals:** Temperature – Normal

Pulse – 106 bpm

Respiratory Rate – 26 cycles/min

Blood pressure – 100/70 mmHg



## **Systemic examination :**

GI system – no abnormality detected

CVS - no abnormality detected

Respiratory system –no abnormality detected

CNS – no abnormality detected

Per abdomen examination- revealed  
hepatomegaly and splenomegaly

## **Anthropometry :**

Weight of the child : 10 kgs  
(expected – 13.9 kgs) < 3<sup>rd</sup> centile

Length : 84 cm  
(expected – 95.1 cm) < 3<sup>rd</sup> centile

Head circumference : 45 cm  
( expected -48.5 cm) < 3<sup>rd</sup> centile

## Investigations :

Blood group : O +ve

Hb – 5 gm/dl

TLC – 10,000/cumm

Platelet count – 1.9 lakh/cumm

Reticulocyte count : 2.5%

## **Peripheral smear :**

RBC – MICROCYTIC HYPOCHROMIC anemia with severe anisopoikilocytosis along with pencil shaped cells, tear drop cells and occasional target cells.

Few nucleated RBCs.

Wbc – Normal in morphology

Platelets - Adequate

## **Treatment :**

150 ml of packed RBC given.

Syp.Multivitamin with zinc 5 ml /PO/OD